ILLINOIS COMMERCE COMMISSION

EX PARTE OR LATE FILED

September 23, 1997

Mr. A. Richard Metzger, Jr.
Acting Chief, Common Carrier Bureau
Federal Communications Commission
1919 M Street, N.W. Room 500
Washington, D.C. 20554

CC Docket No. 95-116

Re: Week 6 Illinois FCC LNP Field Test

Dear Mr. Metzger:

Attached is the sixth weekly update from the Illinois FCC LNP Field Test
Coordinator, Dick Dowd. While testing of LRN LNP and the associated processes has
gone quite well, carriers are still trying to evaluate some of the problems they have had
with connectivity to the NPAC. This is the final week of the Illinois FCC LNP Field
Test. The Field Test is expected to come to successful conclusion this Friday in terms of
testing LRN LNP.

Now at issue is connectivity and how it affects LNP turn-up in the Chicago MSA.
This will be addressed at this Thursday's Illinois LNP Task Force Steering Committee
meeting. If you have any questions on the testing or the summary, please call me at 312-
814-6025.

Sincerely,

Brent A. Struthers

cc. Steven Teplitz

Illinois FCC LNP Field Test
Week 6 Summary

Summary

Inter-company network testing continued during week 6 of the Illinois FCC LNP Field Test (Field Test). SP-B and SP-C have completed all call-through testing in which they had planned to participate. SP-A could complete their testing, however, they are waiting to run some tests with SP-E. After extensive work with their SS7 and LSMS providers SP-D was able to query their database and complete calls to ported telephone numbers. Telephone numbers were ported from SP-E to the other service providers this week. SP-E will be performing coordinated testing with SP-A and SP-D next week. The final porting process will be initiated on Monday, the 22nd, with all ported telephone numbers scheduled to be returned to their original Service Provider on Thursday, the 25th. The Illinois FCC LRN Field Test will conclude Friday, September 26th.

Individual SP reports.

Service Provider "A" Report

SP-A reports having completed all testing with the second round of ports with other service providers that were ready to test. SP-A has also completed the testing between their switches. SP-A is prepared to test with SP-E next week if SP-E requires assistance.

In addition to the test cases listed below, SP-A has also tested their repair processes and systems associated with maintaining LNP data. SP-A was successful in its tests. SP-A has completed the test cases listed in Section 4.3.3.

Many of the failures listed below are due to a "No Answer" condition at the called party's end and, due to one particular line with which SP-A was experiencing problems. The problems are not related to LNP.

(SWITCH #1)

TEST CASE	DATE	PASS/FAIL	COMMENTS
4.5.1.1.9	9/15	P	5 test calls made all passed
4.5.1.1.10	9/15	P	1 test call made
4.5.1.1.29	9/15	P	1 test call made
4.5.1.1.31	9/15	P	2 test calls made both passed
4.5.1.6.2	9/15	P	1 test call made
4.5.2.1.1	9/15	P	1 test call made
4.5.2.1.11	9/15	P	1 test call made
4.5.2.1.12	9/15	P	1 test call made
4.5.2.1.14	9/15	P	1 test call made
4.5.2.1.15	9/15	P	1 test call made
4.5.2.1.16	9/15	P	1 test call made
4.5.2.1.17	9/15	P	1 test call made
4.5.2.2.1	9/15	P	1 test call made

4.5.2.3.2	9/15	P	2 test calls made both passed
4.5.2.3.9	9/15	P	1 test call made
4.5.2.3.10	9/15	P	1 test call made
4.5.2.4.1	9/15	P	1 test call made
4.5.1.1.30	9/16	P	1 test call made
4.5.2.4.1	9/16	P	2 test calls made both passed
4.5.2.4.2	9/16	P	1 test call made
4.5.2.5.1	9/16	P	1 test call made
4.5.2.5.3	9/16	P	2 test calls made both passed
4.5.2.5.7	9/16	P	1 test call made
4.5.3.1.1	9/16	P	7 test calls made all passed
4.5.3.2.1	9/16	P	12 test calls made 6 passed
4.5.3.3.1	9/16	P	2 test calls made both passed
4.5.3.4.1	9/16	P	2 test calls made both passed
4.5.8.1.7	9/16	P	4 test calls made all passed_
4.5.8.2.3	9/16	P	1 test call made
4.6.2.1.1	9/16	P	1 test call made
4.6.2.2.1	9/16	P	1 test call made
4.6.2.3.1	9/16	P	1 test call made
4.6.2.4.1	9/16	P	1 test call made
4.6.2.6.1	9/16	P	1 test call made
4.6.2.44.1	9/16	P	1 test call made
4.7.1.1.1	9/16	P	1 test call made
4.5.1.1.9	9/17	F	1 test call made

(SWITCH #2)

TEST CASE	DATE	PASS/FAIL	COMMENTS
4.5.1.1.1	9/15	P	2 test calls made both passed
4.5.1.1.2	9/15	P	2 test calls made both passed
4.5.1.1.3	9/15	P	1 test call made
4.5.1.1.4	9/15	P	1 test call made
4.5.1.1.5	9/15	P	1 test call made
4.5.1.1.6	9/15	P	1 test call made
4.5.1.1.8	9/15	P	1 test call made
4.5.1.1.9	9/15	P	4 test calls made all passed
4.5.1.1.10	9/15	P	6 test calls made all passed
4.5.1.1.11	9/15	P	2 test calls made both passed
4.5.1.1.12	9/15	P	2 test calls made both passed
4.5.1.1.13	9/15	P	2 test calls made both passed
4.5.1.1.14	9/15	P	1 test call made
4.5.1.1.15	9/15	P	1 test call made
4.5.1.1.16	9/15	P	1 test call made
4.5.1.1.19	9/15	P	3 test calls made all passed
4.5.1.1.20	9/15	P	3 test calls made all passed
4.5.1.1.21	9/15	P	1 test call made
4.5.1.1.10	9/16	P	1 test call made
4.5.1.1.12	9/16	P	1 test call made
4.5.1.1.23	9/16	P	1 test call made

4.5.1.1.24	9/16	P	2 test calls made both passed
4.5.1.1.26	9/16	P	2 test calls made both passed
4.5.1.1.27	9/16	P	2 test calls made both passed
4.5.1.1.29	9/16	P	1 test call made
4.5.1.1.30	9/16	P	1 test call made
4.5.1.1.31	9/16	P	1 test call made
4.5.2.1.1	9/16	P	3 test calls made all passed
4.5.2.1.3	9/16	P	1 test call made
4.5.2.1.7	9/16	P	1 test call made
4.5.2.1.9	9/16	P	2 test calls made both passed
4.5.2.1.11	9/16	P	1 test call made
4.5.2.1.12	9/16	P	1 test call made
4.5.2.1.14	9/16	P	1 test call made
4.5.2.1.15	9/16	P	1 test call made
4.5.2.1.16	9/16	P	1 test call made
4.5.2.1.17	9/16	P	1 test call made
4.5.2.4.1	9/16	P	1 test call made
4.5.2.4.4	9/16	P	2 test calls made both passed
4.5.2.5.1	9/16	P	2 test calls made both passed
4.5.2.5.2	9/16	P	1 test call made
4.5.2.5.3	9/16	P	2 test call made both passed
4.5.2.5.5	9/16	P	1 test call made
4.5.2.5.7	9/16	P	1 test call made
4.5.3.1.1	9/16	P	3 test calls made all passed
4.5.3.2.1	9/16	P	4 test calls made all passed
4.5.3.3.1	9/16	P	1 test call made
4.5.3.4.2	9/16	P	1 test call made
4.5.3.7.2	9/16	P	1 test call made
4.5.8.1.4	9/16	P	7 test calls made all passed
4.5.1.1.10	9/17	P	7 test calls made 2 passed
4.5.1.1.11	9/17	F	1 test call made
4.5.1.1.13	9/17	P	2 test calls made 1 passed
4.5.1.1.17	9/17	F	1 test call made
4.5.1.1.18	9/17	F	1 test call made
4.5.1.1.21	9/17	P	1 test call made
4.5.1.1.22	9/17	F	1 test call made
4.5.1.1.25	9/17	F	1 test call made
4.5.1.1.26	9/17	F	1 test call made
4.5.1.1.28	9/17	P	1 test call made
4.5.1.1.30	9/17	F	1 test call made
4.5.1.1.31	9/17	F	1 test call made
4.5.3.1.1	9/17	F	1 test call made
4.5.3.2.1	9/17	F	1 test call made
4.5.4.1	9/17	P	1 test call made
4.5.4.2	9/17	P	1 test call made
4.7.1.1.1	9/17	P	1 test call made
4.7.1.2.1	9/17	P	1 test call made

(SWITCH #3)

TEST CASE	DATE	PASS/FAIL	COMMENTS
4.5.1.1.1	9/15	P	2 test calls made both passed
4.5.1.1.2	9/15	P	3 test calls made 2 passed
4.5.1.1.3	9/15	P	1 test call made
4.5.1.1.4	9/15	P	1 test call made
4.5.1.1.5	9/15	P	1 test call made
4.5.1.1.6	9/15	P	1 test call made
4.5.1.1.7	9/15	P	1 test call made
4.5.1.1.8	9/15	P	1 test call made
4.5.1.1.9	9/15	P	15 test calls made 12 passed
4.5.1.1.10	9/15	P	2 test calls made both passed
4.5.1.1.11	9/15	P	3 test calls made all passed
4.5.1.1.12	9/15	P	3 test calls made all passed
4.5.1.1.13	9/15	P	3 test calls made 2 passed
4.5.1.1.14	9/15	P	1 test call made
4.5.1.1.15	9/15	P	1 test call made
4.5.1.1.16	9/15	P	1 test call made
4.5.1.1.17	9/15	P	1 test call made
4.5.1.1.18	9/15	F	1 test call made
4.5.1.1.19	9/15	P	3 test calls made all passed
4.5.1.1.20	9/15	P	3 test calls made all passed
4.5.1.1.21	9/15	P	2 test calls made both passed
4.5.1.1.22	9/15	P	1 test call made
4.5.1.1.23	9/15	P	1 test call made
4.5.1.1.24	9/15	P	2 test calls made both passed
4.5.1.1.25	9/15	P	1 test call made
4.5.1.1.26	9/15	P	2 test calls made both passed
4.5.1.1.27	9/15	P	2 test calls made both passed
4.5.1.1.28	9/15	P	1 test call made
4.5.1.1.29	9/15	P	1 test call made
4.5.1.1.30	9/15	P	2 test calls made both passed
4.5.1.1.31	9/15	P	2 test calls made both passed
4.5.2.1.1	9/15	P	2 test calls made both passed
4.5.2.1.3	9/15	P	1 test call made
4.5.2.1.7	9/15	P	1 test call made
4.5.2.1.8	9/15	P	1 test call made
4.5.2.1.9	9/15	P	2 test calls made both passed
4.5.2.1.11	9/15	P	1 test call made
4.5.2.1.12	9/15	P	1 test call made
4.5.2.1.14	9/15	P	1 test call made
4.5.2.1.15	9/15	P	1 test call made
4.5.2.1.16	9/15	P	1 test call made
4.5.1.1.9	9/16	P	1 test call made
4.5.1.1.13	9/16	P	1 test call made
4.5.1.1.18	9/16	P	1 test call made
4.5.1.1.26	9/16	P	1 test call made
4.5.2.3.1	9/16	P	1 test call made
4.5.2.3.2	9/16	P	1 test call made

4

4.5.2.3.9	9/16	P	1 test call made
4.5.2.3.10	9/16	P	1 test call made
4.5.2.4.1	9/16	P `	2 test calls made both passed
4.5.2.4.2	9/16	P	2 test calls made both passed
4.5.2.4.4	9/16	P	1 test call made
4.5.2.5.1	9/16	P	2 test calls made both passed
4.5.2.5.3	9/16	P	2 test calls made both passed
4.5.2.5.5	9/16	P	1 test call made
4.5.2.5.7	9/16	P	1 test call made
4.5.3.1.1	9/16	P	7 test calls made 5 passed
4.5.3.2.1	9/16	P	7 test calls made 6 passed
4.5.3.2.2	9/16	P	1 test call made
4.5.3.2.3	9/16	P	1 test call made
4.5.3.4.2	9/16	P	1 test call made
4.5.7.1.6	9/16	P	1 test call made
4.5.8.1.4	9/16	P	6 test calls made all passed
4.6.2.1.1	9/16	P	1 test call made
4.6.2.2.1	9/16	P	1 test call made
4.6.2.4.1	9/16	P	1 test call made
4.6.2.5.1	9/16	P	1 test call made
4.6.2.6.1	9/16	P	1 test call made
4.7.1.1.1	9/16	P	1 test call made
4.7.1.1.2	9/16	P	1 test call made

Service Provider "B" Report

The second wave of call flow testing completed on schedule. SP-B has completed their call-through testing, has continued testing of Operations Process Flows remaining. SP-B has also been very active in trouble shooting problems and working with SP's that have not completed their testing.

TEST CASE	DATE	PASS/FAIL	COMMENTS
4.5.1.1.10	9/17	P	Ran this test 6 times
4.5.1.1.18	9/17	P	Ran this test 3 times

Service Provider "C" Report

SP-C has completed their call-through testing. SP-C has operations process testing remaining. SP-C has spent time assisting SP's that have not completed their call-through testing so that they may do so this week. —

TEST CASE	DATE	PASS/FAIL	COMMENTS
4.5.7.1.1	9/18	P	
4.5.7.1.2	9/18	P	
4.5.7.1.4	9/18	P	
4.5.7.1.5	9/18	P	
4.5.7.11.2	9/18	P	
4.8.1.2.1	9/18	P	
4.8.1.2.2	9/18	P	
4.8.3.1.1	9/18	P	

4.8.1.2.5	9/19	P
4.8.3.1.2	9/19	P
4.8.3.1.3	9/19	P
4.8.3.1.4	9/19	P
4.8.3.1.5	9/19	P
4.8.4.2.1	9/19	P
4.8.4.2.2	9/19	P
4.8.4.2.3	9/19	P

Service Provider "D" Report

SP-D was unable to complete testing this week as anticipated. This was primarily due to terminating test numbers not having a recording to indicate an LNP test number, or a human answering the terminating test number.

SP-D is also concerned about the LNP administrations systems (SOA's/LSMS's) and the NPAC on-line availability. SP-D feels if the availability of all service providers administration systems and the NPAC is not substantially enhanced from where it stands at this report the industry may not be ready to enter into a production environment on 9/29/97.

During the week of 9/15-19/97 SP-D completed 30 tests in their DMS-100, and 16 tests in their 5ESS as listed below.

Note: See new proposed schedule above.

(DMS-100)

TEST CASE	DATE	PASS/FAIL	COMMENTS
4.5.1.1.10			-2 times
4.5.1.1.11			
4.5.1.1.16			
4.5.1.1.26			
4.5.1.1.27			-2 times
4.5.2.1.2			
4.5.2.1.3			
4.5.2.2.1			
4.5.2.2.3			
4.5.2.3.1			
4.5.2.4.1			
4.5.2.5.1			
4.5.3.1.1			
4.5.3.1.2			
4.5.3.2.1			
4.5.3.4.1			
4.5.3.6.1			
4.5.3.6.2			
4.5.3.7.1			-2 times
4.5.3.7.2			
4.5.4.1.0			
4.8.1.1.1			

4.8.1.2.1
4.8.2.1.1
4.8.4.1.1
4.8.5.1.1
4.8.5.2.1

(5ESS)

TEST CASE	DATE	PASS/FAIL	COMMENTS
4.5.1.1.10			
4.5.1.1.16			
4.5.1.1.26			
4.5.1.1.27			
4.5.2.2.1			
4.5.2.3.1			
4.5.2.4.1			-
4.5.2.5.1			
4.5.3.2.1			
4.5.3.6.2			
4.5.4.1.0			
4.8.1.1.1			
4.8.2.1.1			
4.8.4.1.1			
4.8.5.1.1			
4.8.5.2.1			

SP-D has 6 tests remaining to be executed.

Service Provider "E" Report

Upon investigation of why the SP-E SCP was not updated with LNP records, SP-E found in the ASMS that certain processes were stalled and messages into LSMS were frozen in a queue. The processes were restarted and the records were propagated to the SCP. SP-E does not expect to encounter this problem again. Their vendor is providing a permanent fix to the problem next week.

The situation above describes why SP-E could not complete calls to ported NXXs. Another closely related problem that was found and corrected was that in SP-E's switch translations, the default routing was not set which caused the calls to go to fast busy. The calls were still processing intermittently. Other problems found and fixed were: 1) one of SP-E's links to the SCP was down - administratively we took the SCP out of service of service; and 2) one of four SCP processors was not activated completely with the subsystem number, once corrected calls began completing normally.

To date SP-E has completed calls in the following categories:
   Basic Message Interactions
   Operator Assisted
   ISDN

The remaining major call categories in order of priority are:
    911
    Service Tests
    CLASS

47% of the test cases selected by SP-E to participate in have been completed.

TEST CASE	DATE	PASS/FAIL	COMMENTS
4.5.1.1.12	9-14	P	
4.6.2.6	9-14	P	
4.6.2.27	9-14	P	
4.5.7.1.3	9-14	P	
4.5.7.1.6	9-14	P	
4.5.4.1	9-14	P	
4.8.1.1.2	9-14	P	
4.8.1.1.3	9-14	P	
4.8.1.2.3	9-14	P	
4.8.4.2.3	9-14	P	
4.6.2.5	9-15	P	
4.6.2.26	9-15	P	
4.6.2.59	9-15	P	
4.6.2.62	9-15	P	
4.8.1.1.1a	9-15	P	
4.8.1.1.1b	9-15	P	
4.8.1.1.1c	9-15	P	
4.8.1.1.1d	9-15	P	
4.3.3.1.2	9-17	P	
4.8.2.1.1	9-17	P	
4.8.2.1.2	9-17	P	
4.8.2.1.3	9-17	P	
4.8.2.1.4	9-17	P	
4.8.3.1.1	9-17	P	
4.8.3.1.2	9-17	P	
4.8.3.1.3	9-17	P	
4.8.3.1.4	9-17	P	
4.8.3.1.5	9-17	P	
4.8.4.1.1	9-17	P	
4.8.4.1.2	9-17	P	
4.8.4.1.3	9-17	P	
4.8.4.1.4	9-17	P	
4.6.2.4	9-18	P	
4.6.2.25	9-18	P	
4.6.2.46	9-18	P	
4.6.2.2	9-18	P	
4.6.2.44	9-18	P	
4.6.2.23	9-18	P	
4.6.2.3	9-18	P	
4.6.2.24	9-18	P	
4.6.2.45	9-18	P	

4.6.2.58	9-18	P
4.6.2.61	9-18	P
4.6.2.64	9-18	P
4.5.1.1.10a	9-18	P
4.5.1.1.13	9-18	P
4.5.1.1.11	9-18	P
4.5.1.1.15	9-18	P
4.5.1.1.14	9-18	P
4.5.1.1.17	9-18	P
4.5.1.1.16	9-18	P
4.3.3.1.1	9-18	P
4.5.1.1.10b	9-19	P
4.5.1.2.1	9-19	P
4.5.1.2.2	9-19	P
4.5.1.2.3	9-19	P
4.5.1.2.4	9-19	P